

Tier 3 Thermostat Study: Update

Discussion with the EWR Collaborative

July 17, 2018



DTE Energy and Consumers Energy have identified possible areas for initial exploration to inform a needs assessment of extending the Tier 3 Thermostat Calibration Study.

Assess Savings Potential

- Estimate cooling load using AMI data (most likely), alternatives include metering data or thermostat telemetry data
- Calculate overall savings given on a range of percent of cooling savings estimates
- Determine threshold for cost-effectiveness

Assess Demographic Distribution

- Using demographic data, assess whether there are statistical differences between participants and the matched control group

Explore Calibration Study Focused on Direct Install Delivery Channel

- Explore a new calibration study where manual thermostats are the baseline

To ensure alignment across stakeholders, the utilities recommend continued discussions with the Technical Subcommittee. After initial exploration, we should build upon existing calibration research and determine the need for extending the Tier 3 Thermostat Calibration Study to obtain values for the 2020 MEMD.